

Substitute Form PTO-1449 Modified APR 21 2003 U.S. Patent and Trademark Office Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR 1.98(b))		U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 05918-153001	Application No. 09/440,384
		Applicant Howard A. Kingsford		
		Filing Date November 15, 1999	Group Art Unit 1772	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
m.p.	AA	4,381,963	05/1983	Goldstein et al.	156	245	7/10/90 11/18/95
m.p.	AB	4,585,991	04/1986	Reid et al.	216	2	11/18/85 3/27/90
m.p.	AC	4,784,737	11/1988	Ray et al.	204	180.1	4/18/86 4/14/90
m.p.	AD	5,156,591	10/1992	Gross et al.	604	20	10/17/92 10/17/92
m.p.	AE	5,250,023	10/1993	Lee et al.	604	20	10/17/93 10/17/93
m.p.	AF	5,256,360	10/1993	Li	264	219	3/27/93 3/27/93
m.p.	AG	5,279,544	01/1994	Gross et al.	604	20	11/15/93 6/04/94
m.p.	AH	5,318,557	06/1994	Gross	604	891.1	2/22/93 6/04/94
m.p.	AI	5,362,307	11/1994	Guy et al.	604	20	10/4/94
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m.p.	AK	5,527,288	06/1996	Gross et al.	604	140	1/18/94
m.p.	AL	5,551,953	09/1996	Lattin et al.	604	20	10/13/94
m.p.	AM	5,591,139	01/1997	Lin et al.	604	264	6/16/94
m.p.	AN	5,611,806	03/1997	Jang	606	167	5/23/95
m.p.	AO	5,658,515	08/1997	Lee et al.	264	219	9/25/95
m.p.	AP	5,681,580	10/1997	Jang et al.	424	449	5/23/95
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m.p.	AT	5,735,273	04/1998	Kurnik et al.	128	635	8/17/85
m.p.	AU	5,771,890	06/1998	Tamada	128	635	6/24/94
m.p.	AV	5,800,420	09/1998	Gross et al.	604	890.1	12/19/96
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m.p.	AAA	5,848,990	12/1998	Cirelli et al.	604	136	8/14/97

Examiner Signature <u>Mark Lattin</u>	Date Considered 1/19/04
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
M.P.	ABB	5,848,991	12/1998	Gross et al.	604	140	4/25/97
M.P.	ACC	5,855,801	01/1999	Lin et al.	216	2	1/17/97

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
M.P.	ADD	1667864	03/1989	SU				X
M.P.	AEE	WO 96/37256	11/1996	WO			X (English Abstract)	
M.P.	AFF	WO 97/03718	02/1997	WO			X	
M.P.	AGG	WO 97/48440	12/1997	WO			X	
M.P.	AHH	WO 97/48441	12/1997	WO			X	
M.P.	AII	WO 97/48442	12/1997	WO			X	
M.P.	AJJ	WO 98/00193	01/1998	WO			X	
M.P.	AKK	WO 99/00155	01/1999	WO			X	
M.P.	ALL	WO 99/29298	06/1999	WO			X	
M.P.	AMM	WO 99/29364	06/1999	WO			X	
M.P.	ANN	WO 99/29365	06/1999	WO			X	

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
M.P.	AOO	Henry et al., Georgia Institute of Technology, Atlanta, GA <i>Micromachined Needles for the Transdermal Delivery of Drugs</i>
M.P.	APP	Henry et al., Georgia Institute of Technology, Atlanta, GA <i>Microfabricated Microneedles: A Novel Approach to Transdermal Drug Delivery</i> , Journal of Pharmaceutical Sciences vol. 87, No. 8, Aug. 1998, pp. 922-925
M.P.	AQQ	Chun et al., The University of Tokyo <i>An Array of Hollow Microcapillaries for the Controlled Injection of Genetic Materials into Animal/Plant Cells</i> ,
M.P.	ARR	Advertisement for Glucowatch TM , Cygnus, Inc.
M.P.	ASS	Interview description of Glucowatch TM by Dr. Ronald Kurnik, Cygnus, Inc.
M.P.	ATT	Wouters et al., <i>Microelectrochemical Systems for Drug Delivery</i> Electrochimica Acta. vol. 42, No. 20-22, 1997, pp. 3385-3390

Examiner Signature <i>Marc Patterson</i>	Date Considered <i>1/19/04</i>
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Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
M. R.	AUU	Prausnitz, Georgia Institute of Technology, <i>Transdermal Delivery of Macromolecules: Recent Advances by Modification of Skin's Barrier Properties</i> ACS Symposium Series 675, Therapeutic protein and Peptide Formulation and Delivery, Chapter 8, pp. 124-153
B. R.	AVV	Prausnitz et al., Massachusetts Institute of Technology, Cambridge, MA <i>Transdermal Transport Efficiency During Skin Electroporation and Iontophoresis</i> Journal of Controlled Release 38 (1996) pp. 205-217

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